NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_

**Verifying Trigonometric Identities**

**Verify that each equation is an identity.**

1. tan *θ* cos *θ* = sin *θ*
2. cot *θ* tan *θ* = 1
3. csc *θ* cos *θ* = cot *θ*
4. http://glencoe.com/sites/common_assets/mathematics/alg2_2010/worksheets/html/gln_ma_a2crmch14/gln_ma_a2crmch14_13/images/pg13_001.jpg
5. (tan *θ*)(1 − sin2 *θ*) = sin *θ* cos *θ*
6. http://glencoe.com/sites/common_assets/mathematics/alg2_2010/worksheets/html/gln_ma_a2crmch14/gln_ma_a2crmch14_13/images/pg13_002.jpg
7. http://glencoe.com/sites/common_assets/mathematics/alg2_2010/worksheets/html/gln_ma_a2crmch14/gln_ma_a2crmch14_13/images/pg13_003.jpg
8. http://glencoe.com/sites/common_assets/mathematics/alg2_2010/worksheets/html/gln_ma_a2crmch14/gln_ma_a2crmch14_13/images/pg13_004.jpg